BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Metalling and Asphalting to roads in Venkatagiriyappa Layout in Ward No.10

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Estimate Cost Rs.		1490000.00
1	Removing B.S Slab of Drain and stacking Page No. 24/ Item No. 5.32/ PWD SR 2010-11	Sqm							
	Cross roads		2	210.00	0.90		378.00		
			2	200.00	0.90		360.00		
			2	192.00	0.90		345.60		
			2	76.00	0.90		136.80		
							1220.40		
		Considering 50% of above Qty					610.20		
							610.20	42.77	**26098.00**
	Basic Rate	39.60							
	Area Weightage @ 8%	3.17							
	Total	**42.77**							
2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications.Page No. 126/ Item No. 19.1/ PWD SR 2010-11	Cum							
	Cross roads		2	210.00	0.45	0.30	56.70		
			2	200.00	0.45	0.30	54.00		
			2	192.00	0.45	0.30	51.84		
			2	76.00	0.45	0.30	20.52		
	Fro UGD Road cutting		1	210.00	0.60	0.20	25.20		
			1	200.00	0.60	0.20	24.00		
			1	192.00	0.60	0.20	23.04		
			1	76.00	0.60	0.20	9.12		
	House connections		70	2.00	0.60	0.20	16.80		
							281.22	56.16	**15793.00**
	Basic Rate	52.00							
	Area Weightage @ 8%	4.16							
	Total	**56.16**							
3	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100 m. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications .Page No. 148/ Item No. 21.3/ PWD SR 2010-11	Sqm							

	Fro UGD Road cutting		1	210.00	4.50		945.00		
			1	200.00	3.50		700.00		
			1	192.00	4.50		864.00		
			1	76.00	4.50		342.00		
							2851.00		
	Fro UGD Road cutting		1	210.00	0.60		126.00		
			1	200.00	0.60		120.00		
			1	192.00	0.60		115.20		
			1	76.00	0.60		45.60		
	House connections		70	2.00	0.60		84.00		
							490.80		
							2360.20	63.83	**150651.00**
	Basic Rate	59.10							
	Area Weightage @ 8%	4.73							
	Total	**63.83**							
4	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 143/ Item No. 20.18/ PWD SR 2010-11**								
		Cum							
	For UGD road cuttings		1	210.00	0.60	0.20	25.20		
			1	200.00	0.60	0.20	24.00		
			1	192.00	0.60	0.20	23.04		
			1	76.00	0.60	0.20	9.12		
	House connections		50	2.00	0.60	0.20	12.00		
	For Road		1	210.00	4.50	0.15	141.75		
			1	200.00	3.50	0.15	105.00		
			1	192.00	4.50	0.15	129.60		
			1	76.00	4.50	0.15	51.30		
							521.01	1061.64	**553125.00**
	Basic Rate	983.00							
	Area Weightage @ 8%	78.64							
	Total	**1061.64**							
5	KSRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to recieve bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications .Page No. 148/ Item No. 21.1/ PWD SR 2010-11								
		Sqm							
	For Road		1	210.00	4.50		945.00		
			1	200.00	3.50		700.00		
			1	192.00	4.50		864.00		
			1	76.00	4.50		342.00		

							2851.00	8.96	**25545.00**
	Basic Rate	8.30							
	Area Weightage @ 8%	0.66							
	Total	**8.96**							
	KSRRB 500-9: providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 10 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface)including cost of all materials, labour, HOM of machineries complete as per specifications. **page No. 149/ Item No. 21.9/ PWD SR 2010-11**	Sqm							
			Qty Vide Item No. 05				2851.00		
							2851.00	52.32	**149164.00**
	Basic Rate	48.44							
	Area Weightage @ 8%	3.88							
	Total	**52.32**							
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick with 100-120 TPH** batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 151/ Item No. 21.20/ PWD SR 2010-11**	Cum							
	For Road		1	210.00	4.50	0.025	23.63		
			1	200.00	3.50	0.025	17.50		
			1	192.00	4.50	0.025	21.60		
			1	76.00	4.50	0.025	8.55		
							71.28	7213.57	**514183.00**
	Basic Rate	6679.23							
	Area Weightage @ 8%	534.34							
	Total	**7213.57**							
8	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 24/ Item No. 5.33/ PWD SR 2010-11**	Sqm							
			Qty Vide Item No. 01				610.20		
							610.20	57.00	**34781.00**
	Basic Rate	47.50							
	Add difference in cost of amount 0.132X40	5.28							
		52.78							
	Area Weightage @ 8%	4.22							
	Total	**57.00**							

	Disposal of Debris shall be payable at e rates by Mechanical means inlcuding ding and unloading. From 0.00 to 2.00 Km (No.123,		Load to be got Approved by The Competent Authority		281.22 284.73		18931.00
				Qty. Vide Item No. 02	499.44		19168.00
	Average Weight of Earth 1.28 Ton/Cum	Mtone			639.28		
					639.28	67.32	43037.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12					
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20					1729.00 347.87
	Total	**67.32**					1031.78
10	Miscesallaneous Charges						
						Total	**1490000.00**

(Rupees Fourteen Lakhs Ninty Thousand Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2010-11.
3 This work included under Additional Grants 2010-11.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Sanction for Rs. 14.90 lacs only (Rs Fourteen lacs ninety thousand only) is accorded under head Prov. - General ward works P1771 registered as CE No. DC/YNK/AA/88/11-12 Subject to Conditions contained in enclosed memo No...../.....Dr. 11-07-2011

AE/JE TA SE (BTP) CE (BTP)

Technical Sanction for Rs. 14.90 lacs only (Rs Fourteen lacs ninety thousand only) under Prov. - General (Ward Works) P1771 registered as CE No. SE/YNK/TA/36/11-12 Subject to Conditions contained in enclosed memo No...../.....Dr. 21.07.2011

AE/JE TA SE (BTP) CE (BTP)